

Claims

- [1] A sump assembly of a dishwasher comprising:
a sump housing having a washing water storing portion, a water supply connector formed on a first portion of the washing water storing portion, and a heater insertion hole formed on a second portion of the washing waster storing portion, which is opposite to the first portion;
a water infiltration preventing rib extending from an outer bottom surface of the sump housing;
a heater inserted into the washing water storing portion; and
a washing motor mounted under the sump housing.
- [2] The sump assembly according to claim 1, wherein the water infiltration preventing rib is formed along an edge of the outer bottom surface of the washing water storing portion.
- [3] The sump assembly according to claim 1, wherein a portion of the water infiltration preventing rib, which correspond to the water supply connector and/or the heater insertion hole, is greater in a vertical length than other portion.
- [4] The sump assembly according to claim 1, wherein the water infiltration preventing rib is inclined outward of the sump housing.
- [5] The sump assembly according to claim 1, wherein the water infiltration preventing rib is integrally formed with the sump housing.
- [6] The sump assembly according to claim 1, wherein a lower end of the water infiltration preventing rib is distant from the washing motor by a predetermined distance.
- [7] The sump assembly according to claim 1, wherein the water infiltration preventing rib is formed in a closed-circle shape on the outer bottom surface of the sump housing.
- [8] A sump assembly of a dishwasher comprising:
a heater heating washing water;
a sump housing having a heater receiving portion, a water supply connector formed on a first portion of the heater receiving portion, and a heater insertion hole formed on a second portion of the heater receiving portion, which is opposite to the first portion; and
a washing pump received in the sump housing to pump out the washing water, wherein a portion of an outer bottom surface of the sump housing extends downward to prevent the washing water from infiltrating into the washing motor.
- [9] The sump assembly according to claim 8, wherein a height of the extending portion is reduced as it goes away from the water supply connector and/or the

heater insertion hole.

- [10] The sump assembly according to claim 8, wherein the extending portion is formed around the washing motor.
- [11] The sump assembly according to claim 8, wherein a lower end of the extending portion is distant from the motor by a predetermined gap.
- [12] The sump assembly according to claim 8, wherein the extending portion is formed along an edge of the outer bottom surface of the heater receiving portion and corner portions of the extending portion are curved at a predetermined curvature.
- [13] The sump assembly according to claim 8, wherein the extending portion is formed only at a portion corresponding to the heater insertion connector and/or the heater insertion hole.